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PATENT SPECIFICATION



Application Date: Sept. 21, 1939. No. 26300/39.

532,834

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PROVISIONAL SPECIFICATION

Improvements in Cartons, Canisters and the like

We, **BENGER'S FOOD LIMITED**, a British Company, of London Road, Holmes Chapel, in the County of Chester, and **ALFRED HENRY HARDY**, a British Subject, of Glen Helen, Westlands Road, Middlewich, in the County of Chester, do hereby declare the nature of this invention to be as follows:—

This invention relates to improvements in canisters and the like containers.

According to the present invention a closure disc of cardboard, metal or the like material is held between an internal shoulder on the body of the canister formed by an external concave groove spaced downwardly from the upper edge of the body, and this inturned upper edge, whilst the body of the can is preferably of a slightly larger diameter than the mouth closed by the said disc to accommodate a cap fitting over the end of the canister and abutting against a shoulder on the body below the groove.

In a preferred method of manufacture of the canister, a cylindrical body having a mouth or end of slightly less diameter than the body is provided for instance by rolling or spinning with a concave groove spaced preferably midway between the shoulder formed by the full diameter of

the body and the top edge of this body, which after the contents of the canister have been filled into the canister, has a disc of cardboard or metal slipped into it to rest on the rib formed by the said external groove, whereupon the extreme upper edge of the body is rolled, pressed or spun over to grip the cardboard or metal disc and hold this firmly against the said rib. This inturning is preferably such as to present a chucked end that is to say an inturned rolled edge in which the cylindrical edge of the mouth of the body has been turned through 270° or more of arc.

The cardboard or metal disc may be weakened along a complete or partial circular or other line so that a part of this disc may be wholly or partly pushed away from the rim thereof to allow access to the contents.

The closure cap may have an externally rolled edge, the outside diameter of which is preferably slightly greater than the diameter of the body of the box.

Dated this 20th day of September, 1939.
W. P. THOMPSON & CO.,
12, Church Street, Liverpool, 1,
Chartered Patent Agents.

COMPLETE SPECIFICATION

Improvements in Cartons, Canisters and the like

We, **BENGER'S FOOD LIMITED**, a British Company, of London Road, Holmes Chapel, in the County of Chester, and **ALFRED HENRY HARDY**, a British Subject, of Glen Helen, Westlands Road, Middlewich, in the County of Chester, do hereby declare the nature of this invention and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement:—

This invention relates to improvements in canisters and the like containers of the type in which a closure disc of cardboard, metal or the like material is held between an internal shoulder on the body of the canister formed by an external concave groove spaced downwardly from the

upper edge of the body, and this inturned upper edge.

According to the present invention the body of the can is of a slightly larger diameter than the mouth closed by the said disc to accommodate a cap fitting over the end of the canister and abutting against a shoulder on the body below the groove.

The invention is more particularly described with reference to the accompanying drawings, in which:—

Fig. 1 is a side elevation of a completed container.

Fig. 2 is a detail view on an enlarged scale.

A container 1 of metal is formed preferably with an integral base such as 2,

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66.

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which can be formed of a disc, the flanged edge of which is seamed with the cylindrical wall of the container 1.

The upper end of the container 5 through which contents may be filled into the container has an inset flange 3, that is to say a flange of slightly less diameter than the diameter of the body, contiguous to a concave groove 4.

10 After the contents have been filled into the container 1 a disc of cardboard, metal, or other sheet material, 5 is slipped into the container to rest upon the flange formed by the external groove 4, where-
15 upon the upstanding edge of the container body 6 is rolled round to grip firmly the said disc 5 between itself and the top of the external groove 4.

20 This disc 5 may be either perforated or weakened as at 7, either in the form of a complete circle or a partial circle or other shape, so that part of it can be pushed in to form a tongue whereby the contents of the container can be poured
25 through the opening so formed.

A cap 8 may be provided having a

lower rolled edge 9 fitting closely upon the flanged part 3.

Having now particularly described and ascertained the nature of our said inven- 30 tion and in what manner the same is to be performed, we declare that what we claim is:—

1. A package consisting of a container formed of sheet metal with an external 35 groove spaced inwardly from its outer end, between the inner side of which and the rolled extreme end of the container a cardboard disc is gripped to seal the container characterised by the feature 40 that the body of the container has a flange of slightly less diameter than the diameter of the container adapted to be frictionally engaged by the skirt of the cap. 45

2. A canister or the like container constructed as particularly described with reference to the accompanying drawings.

Dated this 11th day of July, 1940.

W. P. THOMPSON & CO.,
12, Church Street, Liverpool, 1,
Chartered Patent Agents.

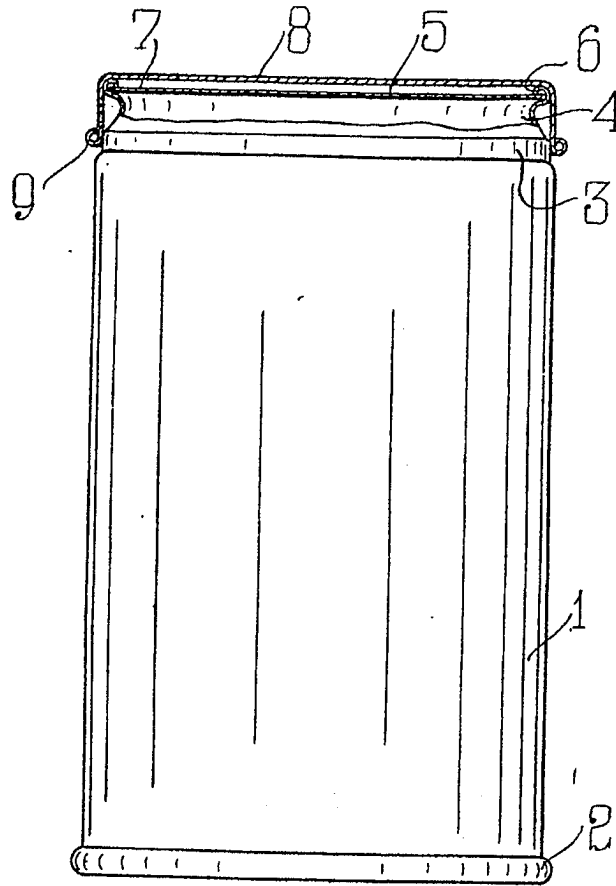


FIG. 1.

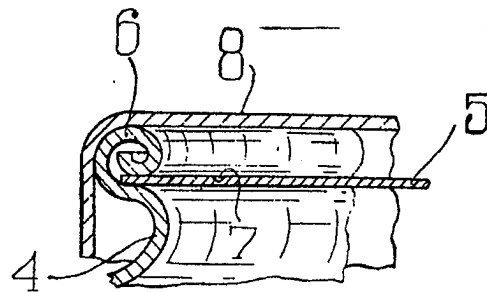


FIG. 2.

[This Drawing is a full-size reproduction of the Original.]